MATERIAL SAFETY DATA SHEET Bureau Budget He. 45-20538 MANU-ACTURER'S HAME AND FECH (Federal Supply Code for Manufacturers) EMERGENCY PHONE NO. 818-579-6270 ADVANCED COATINGS & CHEMICALS ADDRESS (Number, Street, City, State, and ZIP Code) 4343 Temple City Blvd, Temple City, CA 91780 TRADE NAME AND SYNONYMS CHEMICAL HAME AND SYNONYMS SECTION ! Advanced Spray Type Reducer ORGANIC SOLVENT CHEMICAL FAMILY FORMULA ORGANIC SOLVENT 30C-1 OUTSIDE PACKAGE DIMENSIONS (Inches) FEDERAL STOCK NUMBER (FSN) GROSS WEIGHT (LAS) DAM 5066 THINNER MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STO 704M SIGNAL HEALTH_ FLAMMABILITY_ - REACTIVITY-THRESHOLD VOLUME THRESHOLD PAINTS, PRESERVATIVES, LIMIT VALUE LIMIT VALUE ALLOYS AND METALLIC COATINGS 7. 7. AND SOLVENTS (Unita) (Unita) BASE METAL PIGMENTS ALLOYS CATALYST METALLIC COATINGS VEHICLE FILLER METAL SOLVENTE PLUS COATING OR CORE FLUX 100 ADDITIVES OTHERS VOLUME THRESHOLD HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES LIMIT VALUE 31.99 200 PPM Methyl Ethyl Ketone 100 PPM 10.73 Methyl Isobutyl Ketone 39.59 100 PPM Toluol 17.69 5 PPM Cellosolve Acetate SPECIFIC GRAVITY (H20=1) BOILING POINT (PF.) 0.86 Not Determined PRECENT VOLATILE VAPOR PRESSURE (mm He.) DATA 100% BY VOLUME (%) Not Determined EVAPORATION RATE VAPOR DENSITY (AIR = 1) Not Determined Not Determined SOLUBILITY IN WATER , - = -Insoluble APPEARANCE AND ODOR Clear with Benzol-Like Odor UPPER EXPLOSIVE LIMIT LOWER EXPLOSIVE LIMIT FLASH POINT (Meihod used) FLAMMABLE Not Determined Not Determined 20°F. TCC LIMITS EXTINGUISHING MEDIA CO2 , DRY CHEMICAL OR FOAM SPECIAL FIRE FIGHTING PROCEDURES USE SPRAY NOZZLE DISCHARGE TO ASSIST IN CONTROLLING THE FIRE EXPLUSION Concentrated vapors may be explosive.

	Not Determi								
<u></u>	EFFECTS OF EVEREXPOSURE								
DATA	Vapors: Might be irritating to eyes, nose and throat, repeated excessive								
SECTION Y HEALTH HAZARD	exposure may result in headaches, dizziness, sleepiness & nausea. Defatting to skin.								
SEC	Vapor Contact - Provide freash air and rest.								
<u>.</u>		to passed.	A STATE OF STATE OF						
H	Skin Contac	t - Wash w	ith mild	soap & water. Use emollient cream or lotion.					
:	Eye Contact	- Wash w		e stream of water for 5 mins. See a doctor immediate					
	STABILITY	UNSTABLE	CONDI	THORS TO AVOID					
ĭ		STABLE	X						
VI	INCOMPATABILIT	(Materiala to avo	oid)						
<u> </u>	NONE								
ECT	HAZARDOUS DEC								
SECTION REXTIVITY	BURNING WILL		D FUMES	ITIONS TO AVOID					
2	HAZARDOUS	MAY OCCUR							
	POLYMERIZATION	WILL NOT OCCUR	х						
				EASED OR SPILLED					
а Ш	Avoid spark	s or open f	lames. P	Provide adequate ventilation.					
na									
7. DC.									
Z G									
ECTION VII LEAK PROCEDUR	WASTE DISPOSAL I		h local.	state and/or federal. Solid waste					
S SO									
SPILL	regulations	for proper	and safe	disposal.					
SP			-						
<u>z</u>	RESPIRATORY PRO		111	closed areas use air respirators or air mask					
XE	suitable for	r organic v Local exhaust		SPECIAL					
S S	VENTILATION		xhaust re						
SECTION VIII - SPECIAL PROTECTION INFORMATION		MECHANICAL (G		OTHER OTHER					
통			1.	A MARKANIN AND AND AND AND AND AND AND AND AND AN					
55	PROTECTIVE GLOV	/ES		EYE PROTECTION					
, <u> </u>	Recommended	E FOUIPMENT		Splash-proof goggles (Anzi ² 87-1, 1968)					
PRO	other protective equipment Impervious apron. Eyewash facility.								
ا يو	PRECAUTIONS TO	BE TAKEN IN HA	NOLING AND	STORING					
	Handle as a	flammable	liquid. I	Do not store near open flames nor combustion					
그									
CAUTION	chambers.								
SPECIAL	chambers.	N2		and the control of th					
	OTHER PRECAUTIO		·	AAT ATTERIOR					
	OTHER PRECAUTION	(Article) NAME		OOT CLASSIFICATION Flammable					
ON X SPECIAL ON S SPECIAL ON S SPECIAL S S S S S S S S S S S S S S	OTHER PRECAUTION PROPER SHIPPING ORGANIC SOI	(Article) NAME	EMERG	DOT CLASSIFICATION Flammable GEN.'Y ACCIDENT PRECAUTIONS AND PROCEDURES					
	OTHER PRECAUTION PROPER SHIPPING ORGANIC SOI	(Asticle) NAME		Flammable					

LATE NO. 22473 (BACK)

Opm 506-3635 Base

		M	IATERIAL SAF	ETY DATA SHEET	Form A	Looreved	No. 45-R0338		
	ADVANCED COATINGS			w Manufacturera)	1	EMERGI	T9-6270		
1	ADDRESS (Number, Street, City,								
	4343 Temple City Blvd, Temple City, CA 91780								
NO	Polvurethane			UDAETIN TEE OR			ranger (m. 1945) Maria		
SECTION	CHEMICAL FAMILY		•	FORMULA POLYUR	ETA	are.	PAINT		
*	Polyurethane FEDERAL STOCK NUMBER (FS)	N)	GROSS WEIGHT	3-1X-7-W/3-1H-3 Har	dener	ONS (Inc	BASE		
				JURAFILM THE GR	506	6-3	635		
	MIL-STD-1341/NATIONAL FIRE								
	FLAMMABILITY	HEALTH_	THRESHOLD	ACTIVITY SPECIFIC H	HAZARO)	THRESHOLD		
	PAINTS, PRESERVATIVES, AND SOLVENTS	7.	LIMIT VALUE (Unite)	ALLOYS AND METALLIC COAT	INGS	7.	LIMIT VALUE (Unita)		
	PIGMENTS			BASE METAL			M. C. College		
S	CATALYST (T.I.P.)	13		ALLOYS		(T :			
) ENT	VEHICLE			METALLIC COATINGS		·			
ECTION II • HAZARDOUS INGREDIENTS	SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX					
snoa	ADDITIVES		:	OTHERS					
IAZAR	OTHERS		,						
= ×	HAZARDOUS	MIXTURES	OF GTHER LIQUI	os, sociosi piocases		7.	THRESHOLD LIMIT VALUE (Unita)		
ECTIO	Buty Acetate			WWO THE CONTRACTOR		14 120	200 PPM		
5	METHYL ETHYL KETONE BUTYL CELLOSOLVE ACE	TATE	(2)	▼ 980 9 P		7-11 15 0 1	200 PPM 150 PPM		
•	CELLOSOLVE ACETATE XYLOL			E FE		17. A.	100 PPM 200 PPM		
	TOLUOL					4	200 PPM		
	BOILING POINT (°F.)	Not De	termined	SPECIFIC GRAVITY (H10=1)		1.14			
III ATA	VAPOR PRESSURE (mm He.)		termined	PRECENT VOLATILE BY VOLUME (%)		62%	*		
SECTION III PHYSICAL DATA	VAPOR DENSITY (AIR = 1)	Not De	termined	EVAPORATION RATE (=1)	N	ot Det	ermined		
PHYS [SOLUBILITY IN WATER	Insolu	ble		<u> </u>	lot De	termined		
	APPEARANCE AND ODOR Gray liquid with chai	racteris	tic solvent			und w			
ATA	FLASH POINT (Method used) 25°F. TOC			FLAMMABLE LOWER EXPLOSIVE LII Not Determined			termined		
RD D	EXTINGUISHING MEDIA	72	w Date Office						
AZAI	SPECIAL FIRE FIGHTING PROC	EDURES		cals		<u> </u>			
≥ H	None Section State	u uatan							
	Concentrated vapors								
EXP						•			
SECTION IV - FIRE AND EXPLOSION HAZARD DAT	None	EDURES		cals					

PLATE NO. 22473 (FRONT)

	THRESHOLD LIMI								
<	Not Determined								
DATA	EFFECTS OF OVEREXPOSURE								
ă	Vapors: Might be irritating to eyes, nose and throat, repeated excessive								
SECTION V HEALTH HAZARD	exposure may result in headaches, dizziness, sleepiness & nausea. Defatting to skin.								
HA	EMERGENCY AND FIRST AID PROCEDURES								
SE	Vapor Conta	ict - Prov	<u>ide fr</u>	eash air and	rest.				
HEAL	Skin Contact - Wash with mild soap & water. Use emollient cream or lotion.								
	Eye Contact	: - Wash	with	gentle strear	n of wate	r for 5 mins. See a doctor immediate			
	STABILITY	UNSTABLE		CONDITIONS TO A					
ΤA		STABLE	X	Avoid strom	ng oxidiz	ing agents.			
SECTION VI EACTIVITY DATA	INCOMPATABILITY (Materials to svoid)								
710 VIT	HAZARDOUS DEC	OMPOSITION F	RODUCT	5					
SEC	On burning	will prod	uct ca	rbon monoxide	e, carbon	dioxide & acrid fumes.			
EA		MAY OCCUR		CONDITIONS TO A					
œ	HAZARDOUS		ł						
	POLYMERIZATION	WILL NOT							
		OCCUR	X						
ES	Avoid sparks or open flames. Provide adequate ventilation. Wipe spillage								
CEDUR	and safety discard absorbent materials. Large spills should be diked and								
SECTION VII OR LEAK PROCEDURES	pumped into waste tank.								
SECT	WASTE DISPOSAL METHOD Landfill - Consult with local, state and/or federal. Solid waste								
SPILL OF	regulations for proper and safe disposal.								
SP						_			
	RESPIRATORY PRO	OTECTION (Sp.	cily type)	In alocad a		ain maninatana an ain mali			
SECTION VIII - SPECIAL PROTECTION INFORMATION	suitable fo	•		III CIUSEU a	ireas use	air respirators or air mask			
} }		LOCAL EXHA				SPECIAL			
S. S.		Local	exhaus	st required		Use expolosive-proof equipment			
Z		MECHANICAL				OTHER			
7									
	PROTECTIVE GLO	VES			EYE PROTE				
E L	Recommended Splash-proof goggles (Anzi ² 87-1, 1968)								
8	OTHER PROTECTIVE EQUIPMENT								
and the	Impervious PRECAUTIONS TO	apron. E	yewash	racility.		Responses transfer transfer transfer transfer transfer to the control of the cont			
VL TONS					store near	r open flames nor combustion			
EC!	chambers.								
SPECIAL PRECAUTIONS	OTHER PRECAUTION	ONS		.	and the second second				
	PROPER SHIPPING	(Article) NAME	<u> </u>	Ag skilleting		DOT CLASSIFICATION			
∠	Resin solut					Flammable			
54	the second se	DOT MARKING		EMERGENTY ACCI	DENT PRECA	UTIONS AND PROCEDURES			
- -	Red								
1 & F	DOT PLACARD	PRECAUTI	ONS TO E	E TAKEN IN TRAN					
SECTION X TRANS. DATA	The second secon			E TAKEN IN TRAN	SPORTATION	flames. Avoid skin & eye contact.			

PLATE NO. 22473 (BACK)

		an early	ATERIAL SAF	ETY DATA		Form A	pproved Budget I	7,5
	ADVANCED COATINGS			. Manufacturere,)			79-6270
	ADDRESS (Number, Street, City,	State, and ZI.	P Code)					
	4343 Temple City B	Blvd, Tem	ple City, C	A 91780				
-	CHEMICAL NAME AND SYNONY				TRADE HAME AND SY		S	
<u>ē</u>	Aliphatic Polyiso	<u>ocyanate</u>		FORMULA	L.S. Hardener			
SECTION	Aliphatic Polyiso	ocyanate			3-1H-3			
	FEDERAL STOCK NUMBER (FS.	(%	GROSS WEIGHT (LBS)	DPM 5060			
	MIL-STD-1341/NATIONAL FIRE	PROTECTIO	N ASSOCIATION	STD 704M BIGH	AL SUBE		, , ,	
	FLAMMABILITY	HEALTH		CTIVITY	SPECIFIC H	AZARD		
	PAINTS, PRESERVATIVES, AND SOLVENTS	volume	THRESHOLD LIMIT VALUE (Unite)	ALLOYS	AND METALLIC COATI	NG5	7.	THRESHOLD LIMIT VALUE (Unita)
	PIGMENTS			BASE META	· • · · · · · · · · · · · · · · · · · ·			
^	CATALYST	70.00		ALLOY#				
IN CHECKEN IS	VEHICLE .			METALLIC	EDNITADO			-
1 2 2	SOLVENTS	30.00		FILLER ME PLUS GOAT	The Stephen			
• 000	ADDITIVES			OTHERS		•		
444	OTHERS				W 9861 900 1000			
	HAZARDOUS VOTUBIE	MIXTURES O	Total Volum	e of Sulve	nts 83	v	olume	THRESHOLD LIMIT VALUE (Units)
	Xylene 🛂 88						50.00	100 PPM
	. n-Butyl Acetate	eggi.					50.00	150 PPM
	Hexamethylene di	isocyanate	e content le	ess than O.	7% based on soli	ds		
	at time of manufa	acture.	However, aft	er 3-6 mon	ths storage, may	′		
	BOILING POINT (PF.)	Not Det	ermined	SPECIFIC GR	AVITY (H20=1)		1.0	06
DATA	VAPOR PRESSURE (mm Ha.)	Not Det	ermined	PRECENT VO BY VOLUME (30)%
CAL	VAPOR DENSITY (AIR = I)	Not Det	ermined	EVAPORATIO	ON RATE	oina P	Not De	etermined
PHYSICAL	SOLUBILITY IN WATER	Insolub	1e		55 Albert sic			
	APPEARANCE AND GOOR Clear pale Yello	w with Di	stinct Solve	ent Odor.	•			
474	FLASH POINT (Meihod used) 81°F.TCC			FLAMMABLE LIMITS	Not Determined	- 1		termined
2 2	Water Fog, Foam, CO) ² and /or	Dry Chemic	als				
¥24	SPECIAL FIRE FIGHTING PROC	EDURES	Dry Shenne	413				
Î	None				•			
EXPLOSION HAZARD D	UNUSUAL FIRE AND EXPLOSIO Concentrated vapors		explosive.		·			
돐ㅏ	The state of the s						•	
ш								

All Part of the

⋖	As indicate	A comment	o Van	ors: Might	be irrita	ting to eyes, nose and throat.				
DATA						ache, dizziness, sleepiness and				
LION Y	nausea. Defatting to skin.									
SECTION Y EALTH HAZARD	Skin Contact: Wash with mild soap and water. Use emollient cream or lotion.									
HEA	Eye Contact	t: Wash wit	h gen	tle stream	of water	for 5 minutes. See a doctor immedia				
	1	act: Provid	le fre	ash air and						
	STABILITY	UNSTABLE		CONDITIONS TO	DIOVAC					
ĭ		STABLE	Х							
N VI	INCOMPATABILIT	Y (Materials to a	void)							
SECTION '	HAZARDOUS DEC	OMPOSITION P	RODUCT	5	•					
SEC	1				e. carbon	dioxide and acrid fumes.				
REA	HAZARDOUS	MAY OCCUR	.c car	CONDITIONS TO		TO THE WITH WELL TO THE SECOND				
	POLYMERIZATION	WILL NOT OCCUR	X			e to the second of the second				
	STEPS TO BE TA	KEN IN CASE MA	TERIAL	IS RELEASED OF	R SPILLED					
ES	Avoid spark	ks or open	flames	s. Provide	adequate v	entilation. Wipe spillage and				
in a	6.77									
	safely disc	card absorb	ent ma	ateriais.	Large spi	lls should be diked and pumped				
> ₹ - ₹	into waste	tank.								
ZX.		WASTE DISPOSAL METHOD								
SECTION VII R LEAK PROCEDUR	Landfill - Consult with local, state and/or federal waste regulations for									
~ , 02	Lanui III -		011 10	car, scace	and/or ted	ieral waste regulations for				
Q .			.=	car, scace	and/or ted	deral waste regulations for				
•	proper and		.=		and/or ted	ieral waste regulations for				
SPILL OR			.=	cu 1, 3 cu cc	and/or tec	deral waste regulations for				
SPILL 0	proper and	safe dispo	city type)	In closed		e air respirators or air mask				
SPILL 0	proper and	safe dispo	city type)	In closed		e air respirators or air mask				
SPILL 0	proper and	Safe disponsion of the contraction of the contracti	elly type) Vapor:	In closed		e air respirators or air mask				
SPILL 0	proper and	Safe disponsion of the contraction of the contracti	sal. vapors xhaus	In closed s. t required		e air respirators or air mask				
SPILL 0	proper and RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO	safe dispontantial state of the content of the cont	sal. vapors xhaus	In closed s. t required	areas use	e air respirators or air mask SPECIAL USE explosion-proof equipment OTHER				
SPILL 0	proper and RESPIRATORY PR SUITABLE for VENTILATION PROTECTIVE GLO Recommended	safe disponic or organic Local exhau Local e	vapor: Xhausi (General)	In closed s. t required	areas use	e air respirators or air mask SPECIAL USE explosion-proof equipment OTHER				
SPILL 0	proper and RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO RECOMMENDED	safe dispondent of the state of	osal. vapor: st xhaus:	In closed s. t required	areas use	e air respirators or air mask SPECIAL USE explosion-proof equipment OTHER				
PROTECTION INFORMATION SPILL O	proper and RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO RECOMMENDED	safe dispondent of the state of	osal. vapor: st xhaus:	In closed s. t required	areas use	e air respirators or air mask SPECIAL USE explosion-proof equipment OTHER				
PROTECTION INFORMATION SPILL O	proper and RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO Recommended OTHER PROTECTI Impervious PRECAUTIONS TO	safe disponsation (Special Color organic Local Exhau Local e MECHANICAL (Special Color of the Co	vapors xhausi (General)	In closed s. t required facility.	ereas use	SPECIAL Use explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968)				
PROTECTION VIII - SPECIAL PROTECTION INFORMATION SPILL 0	proper and RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO Recommended OTHER PROTECTI Impervious PRECAUTIONS TO	safe disponsation (Special Color organic Local Exhau Local e MECHANICAL (Special Color of the Co	vapors xhausi (General)	In closed s. t required facility.	ereas use	e air respirators or air mask SPECIAL USE explosion-proof equipment OTHER				
PECIAL SECTION VIII - SPECIAL CAUTIONS PROTECTION INFORMATION SPILL O	proper and RESPIRATORY PR Suitable for ventilation PROTECTIVE GLO Recommended other protecti Impervious PRECAUTIONS TO Handle as a chambers.	safe disponic organic Local exhau Local exhauses in the second se	vapors xhausi (General)	In closed s. t required facility.	ereas use	SPECIAL Use explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968)				
SPECIAL SECTION VIII - SPECIAL ECAUTIONS PROTECTION INFORMATION SPILL O	proper and RESPIRATORY PR Suitable for ventilation PROTECTIVE GLO Recommended other protective impervious precautions to Handle as a	safe disponic organic Local exhau Local exhauses in the second se	vapors xhausi (General)	In closed s. t required facility.	ereas use	SPECIAL Use explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968)				
SPECIAL SECTION VIII - SPECIAL PRECAUTIONS PROTECTION INFORMATION SPILL 0	PROPER SHIPPING	Safe disponic or organic Local exhau Local exhaused wes in the second se	vapors xhausi (General)	In closed s. t required facility.	ereas use	e air respirators or air mask SPECIAL				
TA SPECIAL SECTION VIII - SPECIAL TA PRECAUTIONS PROTECTION INFORMATION SPILL O	PROTECTIVE GLO RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO RECOMMENDED OTHER PROTECTI Impervious PRECAUTIONS TO Handle as a Chambers. OTHER PRECAUTI PROPER SHIPPING Paint UN 12	Safe disponic or organic Local exhau Local exhaused wes in the second se	vapors xhausi (General)	In closeds. t required facility. G AND STORING id. Do not	ereas use	SPECIAL USE explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968)				
ANS. DATA PRECAUTIONS PROTECTION INFORMATION SPILL O	PROTECTIVE GLO RESPIRATORY PR SUITABLE TO VENTILATION PROTECTIVE GLO Recommended OTHER PROTECTI Impervious PRECAUTIONS TO Handle as a Chambers. OTHER PRECAUTI PROPER SHIPPING Paint UN 12 DOT LABEL Red	Safe disponic organic Local exhau Local e MECHANICAL (VES disponic Eye BE TAKEN IN Fa flammable ONS (Article) NAME 263 DOT MARKING	vapor: st (General) wash tandlin	In closed S. t required facility. GAND STORING id. Do not EMERGEN Y AC	EYE PROTE Splash-	SPECIAL USE explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968) Ar open flames nor combustion DOT CLASSIFICATION Flammable AUTIONS AND PROCEDURES flames. Avoid skin & eye contact.				
DATA PRECAUTIONS PROTECTION INFORMATION SPILL O	PROTECTIVE GLO RESPIRATORY PR SUITABLE FO VENTILATION PROTECTIVE GLO Recommended OTHER PROTECTI Impervious PRECAUTIONS TO Handle as a chambers. OTHER PRECAUTI PROPER SHIPPING Paint UN 12 DOT LABEL	Safe disponic organic Local exhau Local exhaus Local exhaus Exhau	vapor: st exhaus: (General)	In closed s. t required facility. GAND STORING id. Do not EMERGEN. Y AC Avoid spar	EYE PROTE Splash-p	SPECIAL USE explosion-proof equipment OTHER ECTION Proof goggles. (Anzi Z87-1, 1968) Ar open flames nor combustion DOT CLASSIFICATION Flammable AUTIONS AND PROCEDURES flames. Avoid skin & eye contact.				